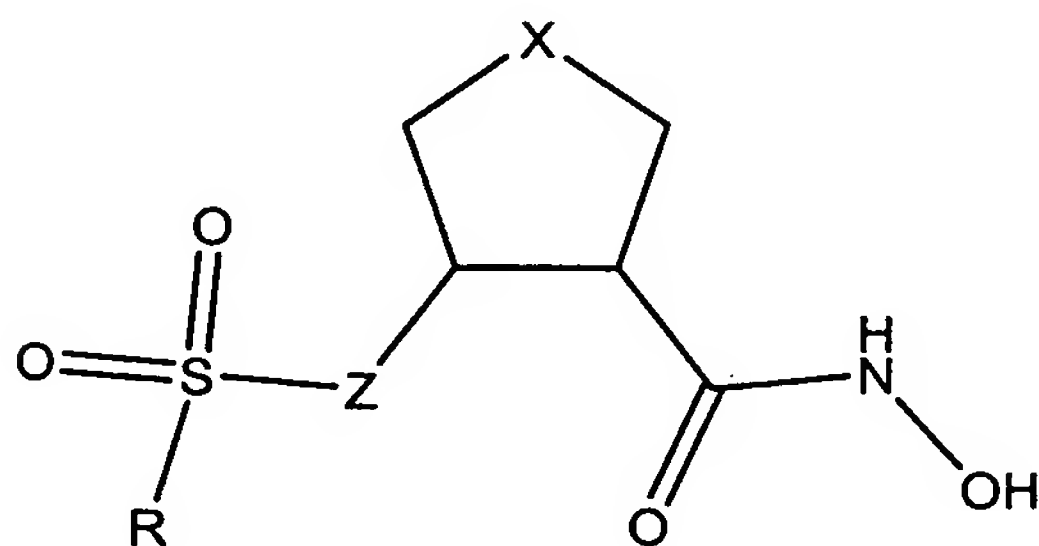


**ABSTRACT OF THE DISCLOSURE**

Disclosed are selective inhibitors of matrix metalloproteinases represented by the following formula (I).



(I)

wherein X is  $(\text{CH}_2)_n\text{O}$ ,  $(\text{CH}_2)_n\text{S}$ ,  $(\text{CH}_2)_n\text{NR}^1$ ,  $(\text{CH}_2)_n(\text{CH}_2)$ , or  $\text{CH}=\text{CH}$ , wherein  $n = 0, 1$ , or  $2$ ; R and  $\text{R}^1$  are, independently, a substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, heteroaryl group, cycloalkyl, heterocycloalkyl, cycloalkenyl, or heterocycloalkenyl; and Z is NH or  $\text{CH}_2$ ; or a pharmaceutically acceptable salt thereof. Also disclosed are methods of making such compounds and methods of using such compounds to inhibit tumor progression and to treat diseases such as arthritis.